Project Title	Funding	Institution
Neural and cognitive mechanisms of autism	$0	Massachusetts Institute of Technology
Rebuilding Inhibition in the Autistic Brain	$0	Brandeis University
Examination of the mGluR-mTOR pathway for the identification of potential therapeutic targets to treat fragile X	$0	University of Pennsylvania
Novel therapeutic targets to treat social behavior deficits in autism and related disorders	$0	University of Texas Health Science Center, San Antonio
Preclinical testing of novel oxytocin receptor activators in models of autism phenotypes	$0	University of North Carolina
Preclinical testing of novel oxytocin receptor activators in models of autism phenotypes	$0	University of North Carolina
Preclinical testing of novel oxytocin receptor activators in models of autism phenotypes	$0	University of North Carolina
Mechanism and treatment of ASD related behavior in the Cntnap2 knockout mouse model	$0	University of California, Los Angeles
Temporally controlled genetic rescue of Shank3 autism model	$0	University of Texas Southwestern Medical Center
Rat knockout models of ASD	$0	Baylor College of Medicine
Identifying high-impact therapeutic targets for autism spectrum disorders using rat models	$0	Mount Sinai School of Medicine
Effects of oxytocin receptor agonists in mouse models of autism spectrum disorder phenotypes	$0	University of North Carolina
Integrative system biology of iPSC-induced neurons for identifying novel drug targets	$0	Baylor College of Medicine
Testing brain overgrowth and synaptic models of autism using NPCs and neurons from patient-derived iPS cells	$0	Salk Institute for Biological Studies
Preclinical therapeutic target validation of glutamate receptors in Shank3 models of autism	$0	University of Texas Southwestern Medical Center
Evaluating hyperserotonemia as a biomarker of sensory dysfunction in autism spectrum disorder	$0	Vanderbilt University
Testing brain overgrowth and synaptic models of autism using NPCs and neurons from patient-derived iPS cells	$0	University of California, San Francisco
Deficits in tonic inhibition and the pathology of autism spectrum disorders	$0	Tufts University
Cerebellar signaling in mouse models of autism	$0	NORTHWESTERN UNIVERSITY
Misregulation of microtubule dynamics in Autism	$0	Drexel University
Exploring VIPR2 microduplication linkages to autism in a mouse model	$0	University of California, Los Angeles
Investigating the effects of chromosome 22q11.2 deletions	$0	Columbia University
Small-molecule compounds for treating autism spectrum disorders	$0	University of North Carolina
Autism-linked TBR1 gene in learning-related synaptic plasticity	$0	Columbia University
Characterization of synaptic and neural circuitry dysfunction underlying ASD-like behaviors using a novel genetic mouse model	$15,000	Duke University
Endocannabanoid Enhancement of Sociability in Autism-related Mouse Models	$25,000	University of California, Irvine

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Investigations of a Proposed Molecular Feedback Loop in Cortical Neurons in Psychiatric Pathogenesis	$25,000	University of California, San Francisco
Behavioral evaluation of a novel autism mouse model	$30,000	Shriners Hospitals for Children - Northern California
Pinpointing Genes Underlying Autism in Chromosomal Region 16p11.2	$30,000	Cold Spring Harbor Laboratory
Functional consequences of disrupted MET signaling	$48,509	Children's Hospital Los Angeles
Functional connectivity in monogenic mouse models of autism	$55,260	Fondazione Istituto Italiano di Tecnologia
Vicarious Neural Activity, Genetic Differences and Social Fear Learning	$56,978	Oregon Health & Science University
Comprehensive Phenotyping of Autism Mouse Models	$58,713	University of Pennsylvania
Role of the CUL3-mediated ubiquitination pathway in autism	$59,340	Portland State University
Rapid drug discovery in genetic models of autism	$59,834	Research Center of Centre hospitalier de l'UniversitÈ de MontrÈal
A zebrafish model to identify epigenetic mechanisms relevant to autism	$60,000	King's College London
The tissue-specific transcriptome anatomy of 16p11.2 microdeletion syndrome	$60,000	Massachusetts General Hospital
Deep Brain Stimulation for Autistic Self-Injurious Behavior	$60,000	Johns Hopkins University
Investigating Wnt signaling variants in mouse models of ASD	$60,000	University of California, San Francisco
Circuit-level developmental and functional dynamics in an ASD genetic model	$60,000	Univeristy of Queensland
The Role of Cation/Proton Exchanger NHE9 in Autism	$62,500	University of California, San Francisco
How do autism-related mutations affect basal ganglia function?	$62,500	University of California, Berkeley
Analysis of oxytocin function in brain circuits processing social cues	$62,500	Harvard University
Microcircuit endophenotypes for autism	$62,500	University of California, San Francisco
CHD8 and beta-catenin signaling in autism	$62,500	University of Chicago
In vivo approach to screen ASD allele functions in cortical interneurons	$62,500	University of California, San Francisco
Stable Zebrafish Models of Autism Spectrum Disorder	$75,250	University of Miami
A novel window into ASD through genetic targeting of striosomes - Project 1	$82,473	Cold Spring Harbor Laboratory
A novel window into ASD through genetic targeting of striosomes - Core	$83,764	Massachusetts Institute of Technology
Role of Caspr2 (CNTNAP2) in brain circuits- Core	$89,999	Weizmann Institute of Science
Characterization of brain and behavior in 7q11.23 duplication syndrome-Project 1	$90,696	University of California, Davis
A mouse model of top-down interactions	$100,000	Rockefeller University
Safety, Efficacy and Basis of Oxytocin and Brain Stimulation Therapy in ASD	$114,583	University of Pennsylvania
Disruption of Cortical Projection Neurons, Circuits, and Cognition in ASD	$120,953	The George Washington University
Neural mechanisms of social reward in mouse models of autism	$124,997	Stanford University
The role of PTCHD1 in thalamic reticular nucleus function and ASD	$125,000	Massachusetts Institute of Technology

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Molecular consequences of strong effect ASD mutations including 16p11.2	$125,000	Massachusetts General Hospital
Chromatin remodeling in autism	$125,000	Stanford University
Understanding brain disorders related to the 15q11.2 chromosomal region	$125,000	Johns Hopkins University
The role of glutamate receptor intereacting proteins in autism	$125,000	Johns Hopkins University
Synaptic pathophysiology of 16p11.2 model mice	$125,000	Massachusetts Institute of Technology
Biomarker discovery for low sociability: A monkey model	$125,000	Stanford University
Neuroligin function in the prefrontal cortex and autism pathogenesis	$125,000	Stanford University
Effects of Chronic Intranasal Oxytocin	$125,448	University of California, Davis
Reversing BDNF Impairments in Rett Mice with TRPC Channel Activators	$142,398	UNIVERSITY OF ALABAMA AT BIRMINGHAM
Functional Analysis of Rare Variants in Genes Associated with Autism	$146,625	Yale University
Novel approaches to enhance social cognition by stimulating central oxytocin release	$149,665	Emory University
Role of Caspr2 (CNTNAP2) in brain circuits - Project 1	$154,145	King's College London
Studies of genetic and metabolic disorders, autism and premature aging	$157,328	National Institutes of Health
Role of Caspr2 (CNTNAP2) in brain circuits - Project 2	$159,168	University of California, Los Angeles
Characterization of brain and behavior in 7q11.23 duplication syndrome-Core	$164,326	University of Toronto
Dissecting striatal circuit dynamics during repetitive behaviors in autism	$182,254	FundaÁ„o D. Anna de Sommer Champalimaud e Dr. Carlos Montez Champalimaud
Optical imaging of circuit dynamics in autism models in virtual reality	$184,781	Harvard Medical School
A novel neural circuit analysis paradigm to model autism in mice	$196,667	Duke University
16p11.2 deletion mice: Autism-relevant phenotypes and treatment discovery	$200,000	Stanford University
16p11.2 deletion mice: autism-relevant phenotypes and treatment discovery	$200,000	University of California, Davis
16p11.2: Defining the gene(s) responsible (grant 1)	$210,240	Cold Spring Harbor Laboratory
Deep Phenotyping of Autism Spectrum Disorder Mice	$216,994	Harvard University
PsychoGenics Inc.	$218,567	PsychoGenics Inc.
A NOVEL TRANSLATIONAL MODEL OF AUTISUM SPECTRUM DISORDER	$223,125	Emory University
Modeling The Serotonin Contribution to Autism Spectrum Disorders	$229,702	Vanderbilt University
Understanding copy number variants associated with autism	$250,000	Duke University
Animal Model of Speech Sound Processing in Autism	$251,777	UNIVERSITY OF TEXAS DALLAS
Linking cortical circuit dysfunction and abnormal behavior in genetic mouse models of autism	$258,358	University of California, Los Angeles
Preclinical Autism Consortium for Therapeutics (PACT)- Boston Children's Hospital	$316,301	Boston Children's Hospital
Novel Genetic Models of Autism	$328,415	UT SOUTHWESTERN MEDICAL CENTER

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Casein Kinase 1 Inhibitors for Treatment of Autism	$349,610	INTRA-CELLULAR THERAPIES, INC.
Mechanisms of stress-enhanced aversive conditioning	$381,250	NORTHWESTERN UNIVERSITY
Preclinical Autism Consortium for Therapeutics (PACT)	$389,677	University of California, Davis
Neurobiological Signatures of Social Dysfunction and Repetitive Behavior	$390,000	Vanderbilt University
THE GENETIC AND NEUROANATOMICAL ORIGIN OF SOCIAL BEHAVIOR	$391,250	BAYLOR COLLEGE OF MEDICINE
Preclinical evaluation of NMDA receptor antagonists for treating Rett Syndrome	$396,250	CASE WESTERN RESERVE UNIVERSITY
Striatal synaptic Abnormalities in Models of Autism	$397,500	UT SOUTHWESTERN MEDICAL CENTER
Mechanisms of circuit failure and treatments in patient-derived neurons in autism	$406,250	BROWN UNIVERSITY
Oxytocin Receptors and Social Behavior	$440,363	Emory University
Functional analysis of the Schizophrenia and Autism Spectrum Disorder gene TCF4 i	$457,500	LIEBER INSTITUTE, INC.
Characterization of the Schizophrenia-associated 3q29 Deletion in Mouse	$477,402	Emory University
Identifying therapeutic targets for autism using Shank3-deficient mice	$486,501	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
Prefrontal function in the Shank3-deficient rat: A first rat model for ASD	$544,401	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
Regulation of Neuroligins and Effects on Synapse Number and Function	$759,674	National Institutes of Health
Effects of Chronic Intranasal Oxytocin	$1,103,903	University of California, Davis
Roles of Oxytocin and Vasopressin in Brain	$1,947,833	National Institutes of Health